Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/21/2020 10:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123801	-1	2.09	123877	2.08
Blue	F	SSC	125000	124238	-1	1.69	125031	1.68
Blue	E	FITC	16433	16018	-3	2.65	349	19.23
Blue	D	PE	27595	27153	-2	1.83	592	14.64
Blue	B	PerCP-Cy5-5	43183	42266	-3	3.55	1134	19.87
Blue	A	PE-Cy7	31943	31960	0	5.97	613	40.24
Red	C	APC	42819	42600	-1	2.49	1505	12.17
Red	A	APC-Cy7	31261	30491	-3	2.39	807	11.89
Violet	B	V450	6527	6317	-4	4.10	354	13.29
Violet	A	V500	24533	23625	-4	3.85	552	10.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17668	10.18	614	14	N/A	N/A	Pass
Blue	F	SSC	56633	1.19	558	10	N/A	N/A	Pass
Blue	E	FITC	64	60.65	542	3	0.0217	95	Pass
Blue	D	PE	124	48.84	539	5	0.1610	253	Pass
Blue	B	PerCP-Cy5-5	209	48.73	652	10	0.0095	56	Pass
Blue	A	PE-Cy7	114	100.74	700	11	0.0112	19	Pass
Red	C	APC	357	24.87	582	-1	0.0238	91	Pass
Red	A	APC-Cy7	178	28.29	561	-2	0.0056	851	Pass
Violet	B	V450	54	59.30	448	-7	0.0471	1841	Pass
Violet	A	V500	83	31.77	459	-8	0.0222	487	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.27	-32.44	0.99
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.46
Red	15.76	13.60 - 20.40	N/A	N/A	29.67	30.50	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9989

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments